

Title (en)

MANAGING NUCLEAR REACTOR SPENT FUEL RODS

Title (de)

HANDHABUNG VON VERBRAUCHTEN BRENNSTÄBEN EINES KERNREAKTORS

Title (fr)

TRAITEMENT DE CRAYONS COMBUSTIBLES USÉS DE RÉACTEUR NUCLÉAIRE

Publication

EP 2965323 B1 20190424 (EN)

Application

EP 14801059 A 20140227

Priority

- US 201313786643 A 20130306
- US 2014019072 W 20140227

Abstract (en)

[origin: US2014254737A1] A spent nuclear fuel rod canister includes a submersible pressure vessel including a casing that defines an interior cavity, the casing including a corrosion resistant and heat conductive material with a thermal conductivity of above about 7.0 watts per meter per kelvin; and a rack enclosed within the interior cavity and configured to support one or more spent nuclear fuel rods.

IPC 8 full level

G21C 19/07 (2006.01); **G21C 19/08** (2006.01); **G21C 19/40** (2006.01); **G21F 5/012** (2006.01); **G21F 5/10** (2006.01); **G21C 19/32** (2006.01)

CPC (source: EP US)

G21C 19/07 (2013.01 - EP US); **G21C 19/08** (2013.01 - EP US); **G21C 19/40** (2013.01 - EP US); **G21F 5/008** (2013.01 - US); **G21F 5/012** (2013.01 - EP US); **G21F 5/10** (2013.01 - EP US); **G21C 19/32** (2013.01 - EP US); **Y02E 30/30** (2013.01 - EP)

Citation (examination)

- WO 2012047438 A1 20120412 - BABCOCK & WILCOX NUCLEAR ENERGY INC [US], et al
- S M BRUEMMER ET AL: "PNNL-22290 Assessment of Materials Issues for Light-Water Small Modular Reactors", 1 February 2013 (2013-02-01), XP055421224, Retrieved from the Internet <URL:http://www.pnnl.gov/main/publications/external/technical_reports/pnnl-22290.pdf> [retrieved on 20171102]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2014254737 A1 20140911; **US 9406409 B2 20160802**; BR 112015021950 A2 20170718; CA 2904279 A1 20141127; CA 2904279 C 20220628; CN 105359221 A 20160224; CN 105359221 B 20180105; EP 2965323 A2 20160113; EP 2965323 A4 20170315; EP 2965323 B1 20190424; ES 2730250 T3 20191111; HK 1216206 A1 20161021; JP 2016509235 A 20160324; JP 6382236 B2 20180829; KR 102059618 B1 20191226; KR 20150122794 A 20151102; PL 2965323 T3 20191031; US 10453578 B2 20191022; US 2016232998 A1 20160811; WO 2014189582 A2 20141127; WO 2014189582 A3 20150205

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US 201313786643 A 20130306; BR 112015021950 A 20140227; CA 2904279 A 20140227; CN 201480025541 A 20140227; EP 14801059 A 20140227; ES 14801059 T 20140227; HK 16104201 A 20160413; JP 2015561424 A 20140227; KR 20157027560 A 20140227; PL 14801059 T 20140227; US 2014019072 W 20140227; US 201615083543 A 20160329